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PATENT

Appl.No. 10/664,519

Amendment dated September 28, 2006

Reply to Office Action of September 13, 2006

Attorney Docket 124169-1010 (OTA 02-036)

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (Original): A multi-lumen endotracheal tube comprising:
 - a. means for coating an inside surface and an outside surface of the endotracheal tube with antimicrobial and antibiofilm agents;
 - b. means for releasing antimicrobial and antibiofilm agents from the endotracheal tube;
 - c. means for using electrical current to enhance the efficacy of the antimicrobial and antibiofilm agents; and
 - d. means for using ultrasound energy to enhance the efficacy of the antimicrobial and antibiofilm agents.
2. (Original): The tube of claim 1, further comprising an outer lumen, and a concentric inner lumen.
3. (Original): The tube of claim 2, wherein the outer lumen contains the means for coating, the means for releasing, the means for using electrical current, and the means for using ultrasound energy.
4. (Original): The tube of claim 3, wherein the inside and outside surfaces have a surface coating to reduce the buildup of bacteria and biofilm.
5. (Original): A method of using a multi-lumen endotracheal tube in a human patient, comprising the steps of:
 - a. coating inside and outside surfaces of the endotracheal tube with antimicrobial and antibiofilm agents;

Page 2 of 4

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- b. inserting the endotracheal tube in the patient;
 - c. releasing antimicrobial and antibiofilm agents from the endotracheal tube;
 - d. using electrical current to enhance the efficacy of the antimicrobial and antibiofilm agents; and
 - e. using ultrasound energy to enhance the efficacy of the antimicrobial and antibiofilm agents.
6. (Original): The method of claim 5, wherein steps c-e are performed in any order.
7. (Original): The method of claim 6, wherein the tube comprises an outer lumen, and a concentric inner lumen.
8. (Original): The method of claim 7, wherein the outer lumen contains means for coating, means for releasing, means for using electrical current, and means for using ultrasound energy.
9. (Original): The method of claim 8, wherein the concentric inner lumen serves as an airway for the patient to breathe.
- 10-13 (cancelled)